

GROUND-WATER LEVELS
 GREENE COUNTY—Continued

353126077332102. County number, GR-171; LWQ71D.

LOCATION.--Lat 35°31'25.7", long 77°33'21.3", Hydrologic Unit 03020203, near Lizzie, north of Secondary Road 1335 and west of Secondary Road 1345.
 Owner: DENR (North Carolina Department of Environment and Natural Resources).

WATER-LEVEL RECORDS

AQUIFER.--Surficial.

WELL CHARACTERISTICS.--Drilled observation well, depth 14.2 ft, diameter 2 in., screened interval from 10.0 to 14.0 ft.

INSTRUMENTATION.--Measured periodically with steel and electric tape.

DATUM.--Land-surface datum is 73.31 ft above NGVD of 1929 (levels by North Carolina Geodetic Survey). Measuring point: Top of metal casing, 2.47 ft above land surface datum.

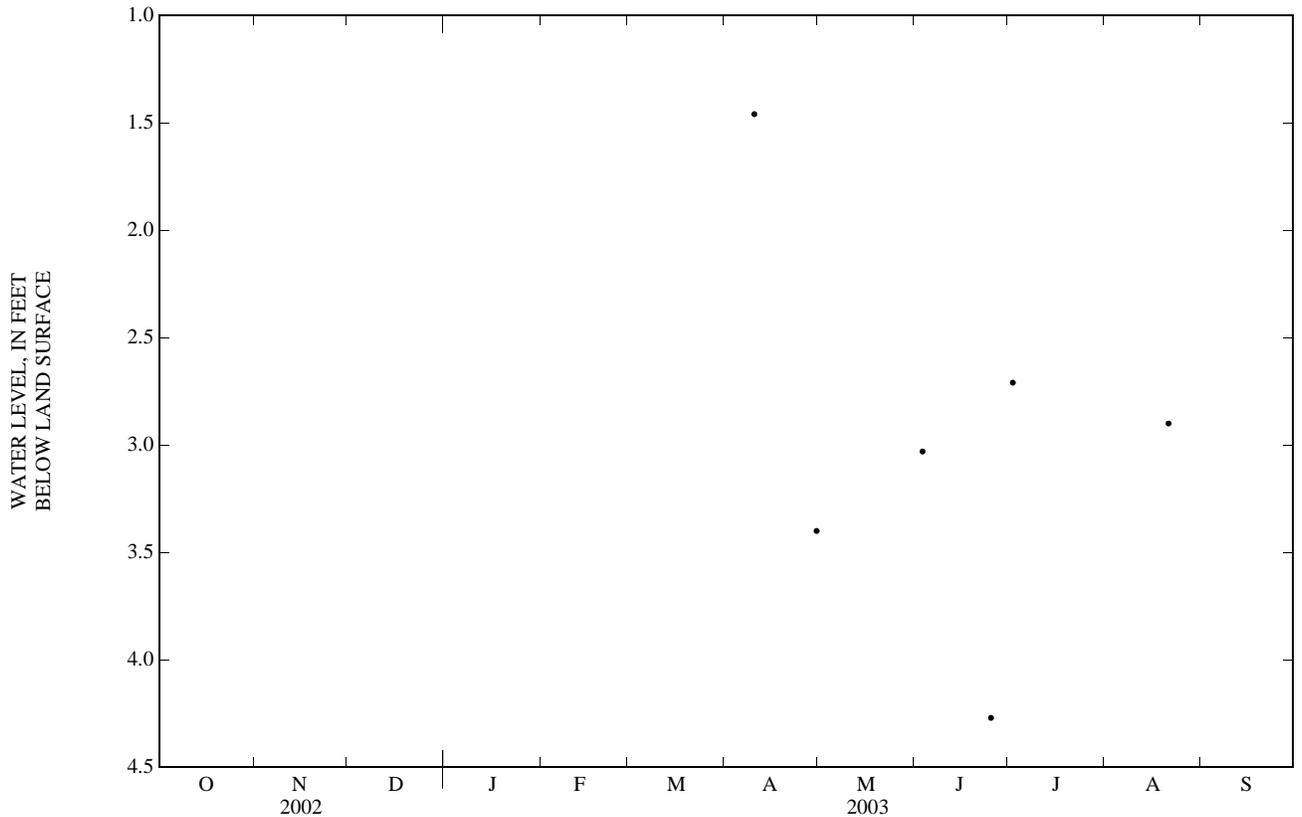
REMARKS.--Station operated in cooperation with DENR as part of the Lizzie research site water-quality monitoring project.

PERIOD OF RECORD.--April to September 2003.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.46 ft below land-surface datum, Apr. 10, 2003; lowest water level measured, 4.27 ft below land-surface datum, June 25, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, FOR PERIOD APRIL TO SEPTEMBER 2003

DATE	WATER LEVEL										
APR 10	1.46	APR 30	3.40	JUN 03	3.03	JUN 25	4.27	JUL 02	2.71	AUG 21	2.90



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WATER-QUALITY RECORDS

PERIOD OF RECORD.--April to September 2003.

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WATER-QUALITY DATA, FOR PERIOD APRIL TO SEPTEMBER 2003

Date	Time	Depth to water level, feet below LSD (72019)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
APR													
10...	0930	1.46	760	4.8	46	4.3	179	9.5	13.2	35	6.90	4.28	2.28
30...	1100	3.40	762	5.0	54	4.5	138	25.5	17.6	30	6.14	3.59	2.12
JUN													
03...	1230	3.03	765	0.9	10	4.8	154	29.0	16.6	27	5.82	3.14	2.17
AUG													
21...	1950	2.90	768	0.5	6	5.0	131	29.0	20.2	23	5.23	2.48	2.17

Date	Sodium, water, fltrd, mg/L (00930)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, ug/L (01046)
APR											
10...	9.51	24.9	8.5	E.07	<0.04	7.18	E.006	<0.04	<0.004	0.4	93
30...	7.89	21.9	8.9	<0.10	<0.04	5.01	0.020	<0.02	--	0.5	169
JUN											
03...	7.48	21.5	11.0	<0.10	<0.04	3.65	E.004	--	<0.004	E.3	225
AUG											
21...	7.43	21.1	10.9	<0.10	<0.04	2.60	<0.008	<0.18	<0.004	--	217